Ergonomics
Vol. 50, No. 12, December 2007, 2183–2194

Taylor & Francis
Taylor & Francis Group

Index of authors

With the titles of the papers

Abboud, R. J., see Rajput, B.
Albert, W. J., see Brown, J. N. A.
Albert, W. J., see Fischer, S. L.
Albert, W. J., see Sutherland, C. A.
Altekar, C. R., see Savanur, C. S.
Anandaciva, S., see Frowd, C. D.
Anderson, A. M., Meador, K. A., McClure, L. R., Makrozahopoulos, D., Brooks, D. J., and Mirka, G. A.: A biomechanical analysis of anterior load carriage 2104
Anderson, B. L., see Bustamante, E. A.
A-Rehim, A., see Genaidy, A.
Armbrüster, C., Sutter, C., and Ziefle, M.: Notebook input devices put to the age test: the usability of trackpoint and touchpad for middle-aged adults 426

Babski-Reeves, K., see Hughes, L. E.
Bagnara, S., see Occhipinti, E.
Bagnara, S., see Pravettoni, G.
Banks, A. P., see Groeger, J. A.
Bao, S., Howard, N., Spielholz, P., and Silverstein, B.: Two posture analysis approaches and their application in a modified Rapid Upper Limb Assessment evaluation 2118
Barr, A., see Odell, D.
Barrero, L. H., see Kotani, K.
Barrett, R., see Tuttle, N.
Barth, J., see Becker, M.
Baumgartner, N., see Buchner, A.
Becker, M., Rothman, J., Nelson, A. J., Freedland, R., Garcia, D., Feit, L., Barth, J., and Sabini, R.: The effects of multifocal refractive lenses on occipital extension and forward head posture during a visual task 2095
Berckmans, D., see Quanten, S.
Bøggild, H., see Smith, L.
Biden, E., see Oliver, M.
Bitan, Y., and Meyer, J.: Self-initiated and respondent actions in a simulated control task 763
Bjelland, H. V., see Øvergård, K. I.
Bliss, J. P., see Bustamante, E. A.
Boocock, M. G., see Mawston, G. A.
Bos, J. E., Damala, D., Lewis, C., Ganguly, A., and Turan, O.: Susceptibility to seasickness 890
Bosch, T., de Looze, M. P., and van Dieën, J. H.: Development of fatigue and discomfort in the upper trapezius muscle during light manual work 161

Bowie, L., see Frowd, C. D.
Brackstone, M., and McDonald, M.: Driver headway: How close is too close on a motorway? 1183
Brauchler, R., see Landau, K.
Brauer, J., see Hecht, H.
Breen, R., Pyper, S., Rusk, Y., and Dockrell, S.: An investigation of children's posture and discomfort during computer use 1582
Brogmus, G. E.: Day of the week lost time occupational injury trends in the US by gender and industry and their implications for work scheduling 446
Brooks, D. J., see Anderson, A. M.
Brown, J. N. A., Albert, W. J., and Croll, J.: A new input device: comparison to three commercially available mousse 208
Brown, S. H. M., and Potvin, J. R.: The effect of reducing the number of EMG channel inputs on loading and stiffness estimates from an EMG-driven model of the spine 743
Brown, T. L., see Lee, J. D.
Bruce, V., see Frowd, C. D.
Bruce-Low, S. S., Cotterrell, D., and Jones, G. E.: Effect of wearing personal protective clothing and self-contained breathing apparatus on heart rate, temperature and oxygen consumption during stepping exercise and live fire training exercises 80
Bruneau, D. P. J., see Noyes, J. M.
Buchholz, B., see Tak, S.
Buchner, A., and Baumgartner, N.: Text – background polarity affects performance irrespective of ambient illumination and colour contrast 1036
Burr, D., see Parakkat, J.
Bustamante, E. A., Bliss, J. P., and Anderson, B. L.: Effects of varying the threshold of alarm systems and workload on human Performance..... 1127
Butler, H. L., Hubley-Kozey, C. L., and Kozey, J. W.: Changes in trunk muscle activation and lumbar-pelvic position associated with abdominal hollowing and reach during a simulated manual material handling task 410

Callaghan, J. P., see Fischer, S. L.
Callaghan, J. P., see Sutherland, C. A.
Cardon, G., see Geldhof, E.
Catchpole, K., and McKeown, D.: A framework for the design of ambulance sirens..... 1287
Cesana, G. C., see Fornari, C.
Chaffin, D. B., see Dickerson, C. R.
Chaffin, D. B., see Holbein-Jenny, M. A.
Chan, A. H. S., and Tang, N. Y. W.: Visual lobe shape and search performance for targets of different difficulty..... 289
Chang, C.-C., see Lin, J.-H.
Chany, A.-M., see Parakkat, J.
Cheung, S. S. Westwood, D. A., and Knox, M. K.: Mild body cooling impairs attention via distraction from skin cooling 275
Chow, D. H. K., Leung, K. T. Y., and Holmes, A. D.: Changes in spinal curvature and proprioception of schoolboys carrying different weights of backpack 2148
Chung, J., see Odell, D.
Chung, J. W. Y., and Wong, T. K. S.: Anthropometric evaluation for primary school furniture design 323

Cikajlo, I., and Matjačić, Z.: The influence of boot stiffness on gait kinematics and kinetics during stance phase 2171
Cilliers, P. J., see Pretorius, A.
Cole, D. C., see Laing, A. C.
Colombini, D., see Occhipinti, E.
Conway, G. E., Szalma, J. L., and Hancock, P. A.: A quantitative meta-analytic examination of whole-body vibration effects on human performance 228
Costa, G., and Sartori, S.: Ageing, working hours and work ability 1914
Cotterrell, D., see Bruce-Low, S. S.
Counte, M. A., see Schutz, A. L.
Croll, J., see Brown, J. N. A.
Cronin, S. N., see Jang, R.
Cropley, M., see Pravettoni, G.

Damala, D., see Bos, J. E.
De, A., see Savanur, C. S.
de Becker, A., see Devroey, C.
De Bourdeaudhuij, I., see Geldhof, E.
De Clercq, D., see Geldhof, E.
de Haan, A., see Lemmens, P. M. C.
de Looze, M. P., see Bosch, T.
de Winter, J. C. F., Wieringa, P. A., Kuipers, J., Mulder, J. A., and Mulder, M.: Violations and errors during simulation-based driver training 138
Deddens, J., see Genaidy, A. M.
Delisle, A., see Nastasia, I.
Delleman, N. J., and Dul, J.: International standards on working postures and movements ISO 11226 and EN 1005-4 1809
Demchak, J., see Holbein-Jenny, M. A.
Dempsey, P. G., see Lin, J.-H.
Dennerlein, J. T., see Kotani, K.
Desmet, P. M. A., see Schifferstein, H. N. J.
Devroey, C., Jonkers, I., de Becker, A., Lenaerts, G., and Spaepen, A.: Evaluation of the effect of backpack load and position during standing and walking using biomechanical, physiological and subjective measures 728
Dickerson, C. R., Martin, B. J., and Chaffin, D. B.: Predictors of perceived effort in the shoulder during load transfer tasks 1004
Dieckmann, P., see Manser, T.
Dockrell, S., Fallon, E., Kelly, M., Masterson, B., and Shields, N.: School children's use of computers and teachers' education in computer ergonomics 1657
Dockrell, S., see Breen, R.
Drury, C. G., see Lin, C.-L.
Dul, J., see Delleman, N. J.
Dunn, P., see Godwin, A.
Dunning, K., see Genaidy, A. M.

Eger, T., see Godwin, A.
Ekman, S.-L., see Kindblom-Rising, K.
Emo, A. K., see Funke, G.
Erley, O., see Leyk, D.
Erren, T. C., see Leyk, D.
Essfeld, D., see Leyk, D.

Faber, G. S., Kingma, I., and van Dieën, J. H.: The effects of ergonomic interventions on low back moments are attenuated by changes in lifting behaviour 1377
Facchetti, R., see Fornari, C.
Fafrowicz, M., and Marek, T.: Quo vadis, neuroergonomics? 1941
Fallon, E., see Dockrell, S.
Fang, L., see Zhang, Y. F.
Feit, L., see Becker, M.
Ferrario, M., see Fornari, C.
Fischer, S. L., Albert, W. J., McClellan, A. J., and Callaghan, J. P.: Methodological considerations for the calculation of cumulative compression exposure of the lumbar spine: A sensitivity analysis on joint model and time standardization approaches 1365
Fleurance, P., see Macquet, A. C.
Fornari, C., Ferrario, M., Menni, C., Sega, R., Facchetti, R., and Cesana, G. C.: Biological consequences of stress: conflicting findings on the association between job strain and blood pressure 1717
Fostervold, K. I., see Øvergård, K. I.
Frazer, M. B., see Laing, A. C.
Freedland, R., see Becker, M.
Frens, M. A., see Slijper, H. P.
Frings-Dresen, M. H. W., see Sluiter, J. K.
Frowd, C. D., Bruce, V., Ness, H., Bowie, L., Paterson, J., Thomson-Bogner, C., McIntyre, A., and Hancock, P. J. B.: Parallel approaches to composite production: interfaces that behave contrary to expectation..... 562
Frowd, C. D., McQuiston-Surrett, D., Anandaciva, S., Ireland, C. G., and Hancock, P. J. B.: An evaluation of US systems for facial composite production 1987
Funke, G., Matthews, G., Warm, J. S., and Emo, A. K.: Vehicle automation: A remedy for driver stress? 1302

Gagnon, M., see Nastasia, I.
Ganguly, A., see Bos, J. E.
García-Acosta, G., and Lange-Morales, K.: Definition of sizes for the design of school furniture for Bogotá schools based on anthropometric criteria 1626
Garcia, D., see Becker, M.
Gass, E., see Tuttle, N.
Geldhof, E., De Clercq, D., De Bourdeaudhuij, I., and Cardon, G.: Classroom postures of 8–12 year old children 1571
Genaidy, A., Karwowski, W., and A-Rehim, A.: The work compatibility improvement framework: preliminary findings of a case study for defining and measuring the human-at-work system 1771
Genaidy, A. M., LeMasters, G. K., Lockey, J., Succop, P., Deddens, J., Sobeih, T., and Dunning, K.: An epidemiological appraisal instrument – a tool for evaluation of epidemiological studies..... 920
Genaidy, A., Salem, S., Karwowski, W., Paez, O., and Tuncel, S.: The work compatibility improvement framework: an integrated perspective of the human-at-work system 3
Genaidy, A., see Waters, T.
Gielo-Perczak, K., and Matz, S.: The area of glenoid asymmetry identified as important contributor to shoulder strength during pushing and pulling in the coronal plane 1856
Glendon, A. I.: Driving violations observed: An Australian study..... 1159

Godwin, A., Eger, T., Salmoni, A., Grenier, S., and Dunn, P.: Postural implications of obtaining line-of-sight for seated operators of underground mining load–haul–dump vehicles 192
Goldberg, R., see Odell, D.
Gopher, D., see Iani, C.
Gorges, W., see Leyk, D.
Gottesman, D., see Holbein-Jenny, M. A.
Grenier, S., see Godwin, A.
Groeger, J. A., and Banks, A. P.: Anticipating the content and circumstances of skill transfer: Unrealistic expectations of driver training and graduated licensing? 1250
Grunwald, A. J., see Iani, C.
Guercin, F.: Road-safety education: spatial decentering and subjective or objective picture processing 1702
Guo, L.-X., Zhang, M., and Teo, E.-C.: Influences of denucleation on contact force of facet joints under whole body vibration 967

Hagberg, M., see Jonsson, P.
Hagberg, M., Vilhemsson, R., Wigaeus Tornqvist, E., and Toomingas, A.: Incidence of self-reported reduced productivity owing to musculoskeletal symptoms: association with workplace and individual factors among computer users 1820
Hager, K., see Sood, D.
Hancock, P. A., see Conway, G. E.
Hancock, P. J. B., see Frowd, C. D.
Hancock, P. J. B., see Frowd, C. D.
Haslam, R.: Editorial 1
Haslam, R.: Editorial 1953
Havenith, G.: Metabolic rate and clothing insulation data of children and adolescents during various school activities 1689
Hecht, H., and Brauer, J.: Convex rear view mirrors compromise distance and time-to-contact Judgements 601
Hegele, M., see Heuer, H.
Herman, L., see Sommerich, C. M.
Heuer, H., and Hegele, M.: Learning new visuo-motor gains at early and late working age 979
Höglund, U., see Lindbeck, L.
Hänninen, O., see Koskelo, R.
Hoff, T., see Øvergård, K. I.
Holbein-Jenny, M. A., McDermott, K., Shaw, C., and Demchak, J.: Validity of functional stability limits as a measure of balance in adults aged 23–73 years 631
Holbein-Jenny, M. A., Redfern, M. S., Gottesman, D., and Chaffin, D. B.: Kinematics of heelstrike during walking and carrying: implications for slip resistance testing 352
Holmes, A. D., see Chow, D. H. K.
Hooke, A. W., see Shim, J. K.
Horrey, W. J., and Simons, D. J.: Examining cognitive interference and adaptive safety behaviours in tactical vehicle control 1340
Howard, N., see Bao, S.
Huang, J., see Shim, J. K.
Hubley-Kozey, C. L., see Butler, H. L.
Hughes, L. E., Babski-Reeves, K., and Smith-Jackson, T.: Effects of psychosocial and individual factors on physiological risk factors for upper extremity musculoskeletal disorders while typing 261

Iani, C., Gopher, D., Grunwald, A. J., and Lavie, P.: Peripheral arterial tone as an on-line measure of load in a simulated flight task 1026
Ireland, C. G., see Frowd, C. D.
Iridiastadi, H., see Yassierli

James, G. A.: Modelling diagnosis in physical therapy: a blackboard framework and models of experts and novices 335
Jang, R., Karwowski, W., Quesada, P. M., Rodrick, D., Sherehiy, B., Cronin, S. N., and Layer, J. K.: Biomechanical evaluation of nursing tasks in a hospital setting 1835
Jeppesen, H. J., see Smith, L.
Johnson, P. W., see Jonsson, P.
Jones, G. E., see Bruce-Low, S. S.
Jones, M. A., Stratton, G., Reilly, T., and Unnithan, M. A.: Recurrent non-specific low-back pain in adolescents: the role of exercise 1680
Jones, T., and Kumar, S.: Assessment of physical demands and comparison of multiple exposure definitions in a repetitive sawmill job: board edger operator 676
Jonkers, I., see Devroey, C.
Jonsson, P., Johnson, P. W., and Hagberg, M.: Accuracy and feasibility of using an electrogoniometer for measuring simple thumb movements 647
Juslén, H. T., Wouters, M. C. H. M., and Tenner, A. D.: Lighting level and productivity: a field study in the electronics industry 615

Kaber, D. B., see Ma, R.
Kamphuis, J. H., see Rietveld, S.
Kang, D., Woo, J.-H., and Shin, Y.-C.: Distribution and determinants of maximal physical work capacity of Korean male metal workers 2137
Karwowski, W., see Genaidy, A.
Karwowski, W., see Genaidy, A.
Karwowski, W., see Jang, R.
Karwowski, W., see Occhipinti, E.
Kaukiainen, A., see Saarni, L.
Kazi, T., see Stanton, N. A.
Kelly, M., see Dockrell, S.
Kerr, M. S., see Laing, A. C.
Kiesel, J., see Landau, K.
Kindblom-Rising, K., Wahlström, R., and Ekman, S.-L.: Nursing staff's perception of changes in patient transfer habits after a course – a phenomenological-hermeneutic study 1017
Kingma, I., see Faber, G. S.
Knoerzer, J., see Landau, K.
Knox, M. K., see Cheung, S. S.
Kong, Y.-K., Lowe, B. D., Lee, S.-J., and Krieg, E. F.: Evaluation of handle design characteristics in a maximum screwdriving torque task 1404
Koskelo, R., Vuorikari, K., and Hänninen, O.: Sitting and standing postures are corrected by adjustable furniture with lowered muscle tension in high-school students 1643
Kotani, K., Barrero, L. H., Lee, D. L., and Dennerlein, J. T.: Effect of horizontal position of the computer keyboard on upper extremity posture and muscular load during computer work 1419
Kozey, J. W., see Butler, H. L.
Krieg, E. F., see Kong, Y.-K.
Kuipers, J., see de Winter, J. C. F.
Kumar, S., see Jones, T.

Laing, A. C., Cole, D. C., Theberge, N., Wells, R. P., Kerr, M. S., and Frazer, M. B.: Effectiveness of a participatory ergonomics intervention in improving communication and psychosocial exposures 1092
Landau, K., Meschke, H., Brauchler, R., Kiesel, J., and Knoerzer, J.: Ergonomics diagnosis components in rehabilitation: statistical evaluation of an assessment instrument 1871
Lange-Morales, K., see García-Acosta, G.
Latsh, M. L., see Shim, J. K.
Lavie, P., see Iani, C.
Layer, J. K., see Jang, R.
Leclercq, S., Thouy, S., and Rossignol, E.: Progress in understanding processes underlying occupational accidents on the level based on case studies 59
Lee, D. L., see Kotani, K.
Lee, J. D., McGehee, D. V., Brown, T. L., and Nakamoto, J.: Driver sensitivity to brake pulse duration and magnitude 828
Lee, J. D., see Lees, M. N.
Lee, S.-J., see Kong, Y.-K.
Lees, M. N., and Lee, J. D.: The influence of distraction and driving context on driver response to imperfect collision warning systems 1264
Legg, S. J., see Mackie, H. W.
Legg, S.: Editorial 1523
LeMasters, G. K., see Genaidy, A. M.
Lemmens, P. M. C., de Haan, A., van Galen, G. P., and Meulenbroek, R. G. J.: Emotionally charged earcons reveal affective congruency effects 2017
Lenaerts, G., see Devroey, C.
Leotta, S. N., see Pravettoni, G.
Leung, K. T. Y., see Chow, D. H. K.
Lewis, C., see Bos, J. E.
Leyk, D., Rohde, U., Erley, O., Gorges, W., Essfeld, D., Erren, T. C., and
Lin, C.-L., Wang, M.-J. J., and Drury, C. G.: Biomechanical, physiological and psychophysical evaluations of clean room Boots 481
Lin, J.-H., McGorry, R. W., Chang, C.-C., and Dempsey, P. G.: Effects of user experience, working posture and joint hardness on powered nutrunner torque reactions 859
Lin, J.-H., see McGorry, R. W.
Lockey, J., see Genaidy, A. M.
Lortie, M., see Nastasia, I.
Lowe, B. D., see Kong, Y.-K.
Lu, M.-L., see Waters, T. R.

Ma, R., and Kaber, D. B.: Situation awareness and driving performance in a simulated navigation task 1351
Mackie, H. W., and Legg, S. J.: Measurement of the temporal patterns of school bag carriage using activity monitoring and structured interview 1668
Macquet, A. C., and Fleurance, P.: Naturalistic decision-making in expert badminton players 1433
Makrozahopoulos, D., see Anderson, A. M.
Manser, T., Dieckmann, P., Wehner, T., and Rall, M.: Comparison of anaesthetists' activity patterns in the operating room and during simulation 246
Mansfield, N. J., see Robb, M. J. M.
Marek, T., see Fafrowicz, M.

Marras, W. S., see Parakkat, J.
Martin, B. J., see Dickerson, C. R.
Masterson, B., see Dockrell, S.
Matjačić, Z., see Cikajlo, I.
Matthews, G., see Funke, G.
Matz, S., see Gielo-Perczak, K.
Mawston, G. A., McNair, P. J., and Boocock, M. G.: The effects of prior warning and lifting-induced fatigue on trunk muscle and postural responses to sudden loading during manual handling 2157
McClellan, A. J., see Fischer, S. L.
McClure, L. R., see Anderson, A. M.
McDermott, K., see Holbein-Jenny, M. A.
McDonald, M., see Brackstone, M.
McGehee, D. V., see Lee, J. D.
McGorry, R. W., and Lin, J.-H.: Power grip strength as a function of tool handle orientation and location 1392
McGorry, R. W., see Lin, J.-H.
McIntyre, A., see Frowd, C. D.
McKeown, D., see Catchpole, K.
McNair, P. J., see Mawston, G. A.
McQuiston-Surrett, D., see Frowd, C. D.
Meador, K. A., see Anderson, A. M.
Melikov, A. K., see Zhang, Y. F.
Menni, C., see Fornari, C.
Meschke, H., see Landau, K.
Meulenbroek, R. G. J., see Lemmens, P. M. C.
Meurer, S., see Schutz, A. L.
Meyer, J., see Bitan, Y.
Mirka, G. A., see Anderson, A. M.
Moes, N. C. C. M.: Variation in sitting pressure distribution and location of the points of maximum pressure with rotation of the pelvis, gender and body characteristics 536
Moriwaka, M., see Murata, A.
Mulder, J. A., see de Winter, J. C. F.
Mulder, M., see de Winter, J. C. F.
Murata, A., and Moriwaka, M.: Applicability of location compatibility to the arrangement of display and control in human vehicle systems: Comparison between young and older adults 99

Nakamoto, J., see Lee, J. D.
Nastasia, I., Lortie, M., Delisle, A., and Gagnon, M.: Perception and biomechanics data in a manual handling task: a comparative study..... 2059
Nelson, A. J., see Becker, M.
Ness, H., see Frowd, C. D.
Noyes, J. M., and Bruneau, D. P. J.: A self-analysis of the NASA-TLX workload measure..... 514
Nussbaum, M. A., see Sood, D.
Nussbaum, M. A., see Yassierli
Nussbaum, M. A., see Yassierli
Nygård, C.-H., see Saarni, L.

O'Brien, K. S., and O'Hare, D.: Situational awareness ability and cognitive skills training in a complex real-world task 1064

Occhipinti, E., and Colombini, D.: Updating reference values and predictive models of the OCRA method in the risk assessment of work-related musculoskeletal disorders of the upper limbs 1727
Occhipinti, E., Bagnara, S., and Karwowski, W.: Editorial: In memory of Antonio Grieco (1931–2003) 1715
Occhipinti, E., see Waters, T. R.
Odell, D., Barr, A., Goldberg, R., Chung, J., and Rempel, D.: Evaluation of a dynamic arm support for seated and standing tasks: a laboratory study of electromyography and subjective feedback 520
O'Hare, D., see O'Brien, K. S.
Oliver, M., Tingley, M., Rogers, R., Rickards, J., and Biden, E.: Effect of joystick stiffness, movement speed and movement direction on joystick and upper limb kinematics when using hydraulic-actuation joystick controls in heavy vehicles 837
Øvergård, K. I., Fostervold, K. I., Bjelland, H. V., and Hoff, T.: Knobology in use: an experimental evaluation of ergonomics recommendations 694

Paez, O., see Genaidy, A.
Paquet, V., see Tak, S.
Parakkat, J., Yang, G., Chany, A.-M., Burr, D., and Marras, W. S.: The influence of lift frequency, lift duration and work experience on discomfort reporting 396
Paterson, J., see Frowd, C. D.
Payne, J., see Sommerich, C. M.
Piekarski, C., see Leyk, D.
Piekarski, C.: Maximal manual stretcher carriage: performance and recovery of male and female ambulance workers 752
Potvin, J. R., see Brown, S. H. M.
Pravettoni, G., Cropley, M., Leotta, S. N., and Bagnara, S.: The differential role of mental rumination among industrial and knowledge workers 1931
Pretorius, A., and Cilliers, P. J.: Technical note – Development of a mental workload index: A systems approach 1503
Punnett, L., see Tak, S.
Pyper, S., see Breen, R.

Quanten, S., Van Brecht, A., and Berckmans, D.: Comparison of thermal comfort performance of two different types of road vehicle climate control systems 364
Quesada, P. M., see Jang, R.

Rajput, B., and Abboud, R. J.: The inadequate effect of automobile seating on foot posture and callus Development 131
Rall, M., see Manser, T.
Rantanen, E. M., see Xu, X.
Rashed, T., see Waters, T.
Rauche, C., see Waters, T.
Redfern, M. S., see Holbein-Jenny, M. A.
Reilly, T., see Jones, M. A.
Rempel, D., see Odell, D.
Richter, J. M., see Slijper, H. P.
Rickards, J., see Oliver, M.
Rietveld, S., van Beest, I. and Kamphuis, J. H.: Stress-induced muscle effort as a cause of repetitive strain injury? 2049

Rimpelä, A., see Saarni, L.
Robb, M. J. M., and Mansfield, N. J.: Self-reported musculoskeletal problems amongst professional truck drivers 814
Rodrick, D., see Jang, R.
Rogers, R., see Oliver, M.
Rohde, U., see Leyk, D.
Roman–Liu, D.: Repetitive task indicator as a tool for assessment of upper limb musculoskeletal load induced by repetitive task 1740
Rossignol, E., see Leclercq, S.
Rothman, J., see Becker, M.
Rüttinger, B., see Sauer, J.
Rusk, Y., see Breen, R.

Saarni, L., Nygård, C.-H., Kaukiainen, A., and Rimpelä, A.: Are the desks and chairs at school appropriate? 1561
Sabini, R., see Becker, M.
Salem, S., see Genaidy, A.
Salmon, P. M., see Stanton, N. A.
Salmoni, A., see Godwin, A.
Sartori, S., see Costa, G.
Sauer, J., and Rüttinger, B.: Automation and decision support in interactive consumer products 902
Sauer, J., Schmeink, C., and Wastell, D. G.: Feedback quality and environmentally friendly use of domestic central heating systems 795
Savanur, C. S., Altekar, C. R., and De, A.: Lack of conformity between Indian classroom furniture and student dimensions: proposed future seat/table dimensions 1612
Schifferstein, H. N. J., and Desmet, P. M. A.: The effects of sensory impairments on product experience and personal well-being 2026
Schmeink, C., see Sauer, J.
Schutz, A. L., Counte, M. A., and Meurer, S.: Assessment of patient safety research from an organizational ergonomics and structural perspective 1451
Sega, R., see Fornari, C.
Shaw, C., see Holbein-Jenny, M. A.
Sherehiy, B., see Jang, R.
Shields, N., see Dockrell, S.
Shim, J. K., Huang, J., Hooke, A. W., Latsh, M. L., and Zatsiorsky, V. M.: Multi-digit maximum voluntary torque production on a circular object 660
Shin, Y.-C., see Kang, D.
Sikdar, K., see Sommerich, C. M.
Silverstein, B., see Bao, S.
Simons, D. J., see Horrey, W. J.
Sinclair, M. A.: Ergonomics issues in future systems 1957
Slijper, H. P., Richter, J. M., Smeets, J. B. J., and Frens, M. A.: The effects of pause software on the temporal characteristics of computer use 178
Sluiter, J. K., and Frings-Dresen, M. H. W.: What do we know about ageing at work? Evidence-based fitness for duty and health in fire fighters 1897
Smeets, J. B. J., see Slijper, H. P.
Smith, L., Jeppesen, H. J., and Bøggild, H.: Internal locus of control and choice in health service shift workers 1485

Smith, T. J.: The ergonomics of learning: educational design and learning performance 1530
Smith-Jackson, T., see Hughes, L. E.
Sobeih, T., see Genaidy, A. M.
Sommerich, C. M., Ward, R., Sikdar, K., Payne, J., and Herman, L.: A survey of high school students with ubiquitous access to tablet PCs 706
Sood, D., Nussbaum, M. A., and Hager, K.: Fatigue during prolonged intermittent overhead work: reliability of measures and effects of working height 497
Spaepen, A., see Devroey, C.
Spielholz, P., see Bao, S.
Stanton, N. A., see Young, M. S.
Stanton, N. A., see Young, M. S.
Stanton, N. A., Walker, G. H., Young, M. S., Kazi, T., and Salmon, P. M.: Changing drivers' minds: the evaluation of an advanced driver coaching system 1209
Stanton, N. A.: Editorial 1151
Stradling, S. G.: Car driver speed choice in Scotland 1196
Stratton, G., see Jones, M. A.
Succop, P., see Genaidy, A. M.
Sutherland, C. A., Albert, W. J., Wrigley, A. T., and Callaghan, J. P.: Technical note – The effect of camera viewing angle on posture assessment repeatability and cumulative spinal loading..... 877
Sutter, C., see Armbrüster, C.
Sutter, C.: Sensumotor transformation of input devices and the impact on practice and task difficulty 1999
Szalma, J. L., see Conway, G. E.

Tak, S., Punnett, L., Paquet, V., Woskie, S., and Buchholz, B.: Estimation of compressive forces on lumbar spine from categorical posture data 2082
Tang, N. Y. W., see Chan, A. H. S.
Tenner, A. D., see Juslén, H. T.
Teo, E.-C., see Guo, L.-X.
Theberge, N., see Laing, A. C.
Thomson-Bogner, C., see Frowd, C. D.
Thouy, S., see Leclercq, S.
Tingley, M., see Oliver, M.
Toomingas, A., see Hagberg, M.
Tuncel, S., see Genaidy, A.
Turan, O., see Bos, J. E.
Tuttle, N., Barrett, R., and Gass, E.: Preferred seat orientation of senior high-school students 1603
Tuttle, N., Barrett, R., and Gass, E.: Seated buttock contours: a pilot study of Australian senior high-school students 1593

Underwood, G.: Visual attention and the transition from novice to advanced driver 1235
Unnithan, M. A., see Jones, M. A.

van Beest, I., see Rietveld, S.
Van Brecht, A., see Quanten, S.
van Dieën, J. H., see Bosch, T.
van Dieën, J. H., see Faber, G. S.

van Galen, G. P., see Lemmens, P. M. C.
Vilhemsson, R., see Hagberg, M.
Vuorikari, K., see Koskelo, R.
Wahlström, R., see Kindblom-Rising, K.
Walker, G. H., see Stanton, N. A.
Wang, M.-J. J., see Lin, C.-L.
Ward, R., see Sommerich, C. M.
Warm, J. S., see Funke, G.
Wastell, D. G., see Sauer, J.
Waters, T. R., Lu, M.-L., and Occhipinti, E.: New procedure for assessing sequential manual lifting jobs using the revised NIOSH lifting equation 1761
Waters, T., Rauche, C., Genaidy, A., and Rashed, T.: A new framework for evaluating potential risk of back disorders due to whole body vibration and repeated mechanical shock 379
Wehner, T., see Manser, T.
Wells, R. P., see Laing, A. C.
Westwood, D. A., see Cheung, S. S.
Wickens, C. D., see Xu, X.
Wieringa, P. A., see de Winter, J. C. F.
Wigaeus Tornqvist, E., see Hagberg, M.
Wojcik, L. A., see Yassierli
Wong, T. K. S., see Chung, J. W. Y.
Woo, J.-H., see Kang, D.
Woodcock, A.: Ergonomics, education and children: a personal view 1547
Woskie, S., see Tak, S.
Wouters, M. C. H. M., see Juslén, H. T.
Wrigley, A. T., see Sutherland, C. A.
Wyon, D. P., see Zhang, Y. F.

Xu, X., Wickens, C. D., and Rantanen, E. M.: Effects of conflict alerting system reliability and task difficulty on pilots' conflict detection with cockpit display of traffic information 112

Yang, G., see Parakkat, J.
Yassierli, and Nussbaum, M. A.: Muscle fatigue during intermittent isokinetic shoulder abduction: Age effects and utility of electromyographic measures 1110
Yassierli, Nussbaum, M. A., Iridiastadi, H., and Wojcik, L. A.: The influence of age on isometric endurance and fatigue is muscle dependent: a study of shoulder abduction and torso extension 26
Young, M. S., and Stanton, N. A.: Back to the future: Brake reaction times for manual and automated vehicles..... 46
Young, M. S., and Stanton, N. A.: What's skill got to do with it? Vehicle automation and driver mental workload..... 1324
Young, M. S., see Stanton, N. A.

Zatsiorsky, V. M., see Shim, J. K.
Zhang, M., see Guo, L.-X.
Zhang, Y. F., Wyon, D. P., Fang, L., and Melikov, A. K.: The influence of heated or cooled seats on the acceptable ambient temperature Range..... 586
Ziefle, M., see Armbrüster, C.

Ergonomics
Vol. 50, No. 12, December 2007, 2195–2196

Taylor & Francis
Taylor & Francis Group

Index of book reviews

Author(s)	*Title*	*Page*
Burns, C. M., and Hajdukiewicz, J. R.	Ecological Interface Design	159
Fisk, A. D., Rogers, W. A., Charness, N., Czaja, S. J., and Sharit, J.	Designing for Older Adults: Principles and Creative Human Factors Approaches	319
Salvendy, G.	Handbook of Human Factors and Ergonomics, 3rd edition	475
Wogalter, M. S.	Handbook of Warnings	478
Dekker, S. W. A.	Ten Questions about Human Error: A New View of Human Factors and System Safety	625
Stanton,, N., Hedge,, A., Brookhuis, K., Salas, E., and Hendrick, H.	Handbook of Human Factors and Ergonomics Methods	628
Vicente, K.	The Human Factor: Revolutionizing the Way People Live with Technology	789
Wilson, J. R., and Corlett, N.	Evaluation of Human Work, 3rd edition	791
Cooper, C. L.	Handbook of Stress Medicine and Health, 2nd edition	793
Hollnagel, E.	Barriers and Accident Prevention	961
Harris, D., and Muir, H. C.	Contemporary Issues in Human Factors and Aviation Safety	963
Meister, D.	Conceptual Foundations of Human Factors Measurement	1148
Freivalds, A.	Biomechanics of the Upper Limbs: Mechanics, Modeling, and Musculoskeletal Injuries,	1150
Itoigawa, N., Wilpert, B., and Fahlbruch, B.	Emerging Demands for the Safety of Nuclear Power Operations: Challenge and Response	1516
Banbury, S., and Tremblay, S.	A Cognitive Approach to Situation Awareness: Theory and Application	1518
Balota, D. A., and Marsh, E. J.	Cognitive Psychology: Key Readings	1521

Reviewers

Sinclair, M. 160
Galley, M. 321
Megaw, T. 476
Williams, D. J. 479
Kirwan, B. 627
Hockey, R. 630
Young, M. S. 790
Baxter, G. 792
Scaife, R. 794
Shorrock, S. 962
Bellenkes, A. H. 965
Annett, J. 1149
Helliwell, P. 1150
Moray, N. 1517
Mogilka, A. 1519
Rösler, D. 1519
Annett, J. 1522

Contents

Volume 50 Number 1 15 January 2007

1 **Editorial**
R. Haslam

3 **The work compatibility improvement framework: an integrated perspective of the human-at-work system**
A. Genaidy, S. Salem, W. Karwowski, O. Paez and S. Tuncel

26 **The influence of age on isometric endurance and fatigue is muscle dependent: a study of shoulder abduction and torso extension**
Yassierli, M. A. Nussbaum, H. Iridiastadi and L. A. Wojcik

46 **Back to the future: Brake reaction times for manual and automated vehicles**
M. S. Young and N. A. Stanton

59 **Progress in understanding processes underlying occupational accidents on the level based on case studies**
S. Leclercq, S. Thouy and E. Rossignol

80 **Effect of wearing personal protective clothing and self-contained breathing apparatus on heart rate, temperature and oxygen consumption during stepping exercise and live fire training exercises**
S. S. Bruce-Low, D. Cotterrell and G. E. Jones

99 **Applicability of location compatibility to the arrangement of display and control in human–vehicle systems: Comparison between young and older adults**
A. Murata and M. Moriwaka

112 **Effects of conflict alerting system reliability and task difficulty on pilots' conflict detection with cockpit display of traffic information**
X. Xu, C. D. Wickens and E. M. Rantanen

131 **The inadequate effect of automobile seating on foot posture and callus development**
B. Rajput and R. J. Abboud

138 **Violations and errors during simulation-based driver training**
J. C. F. de Winter, P. A. Wieringa, J. Kuipers, J. A. Mulder and M. Mulder

159 **Book review**

Volume 50 Number 2 February 2007

161 **Development of fatigue and discomfort in the upper trapezius muscle during light manual work**
T. Bosch, M. P. de Looze and J. H. van Dieën

178 **The effects of pause software on the temporal characteristics of computer use**
H. P. Slijper, J. M. Richter, J. B. J. Smeets and M. A. Frens

192 **Postural implications of obtaining line-of-sight for seated operators of underground mining load–haul–dump vehicles**
A. Godwin, T. Eger, A. Salmoni, S. Grenier and P. Dunn

208 **A new input device: comparison to three commercially available mouses**
J. N. A. Brown, W. J. Albert and J. Croll

228 **A quantitative meta-analytic examination of whole-body vibration effects on human performance**
G. E. Conway, J. L. Szalma and P. A. Hancock

246 **Comparison of anaesthetists' activity patterns in the operating room and during simulation**
T. Manser, P. Dieckmann, T. Wehner and M. Rall

261 **Effects of psychosocial and individual factors on physiological risk factors for upper extremity musculoskeletal disorders while typing**
L. E. Hughes, K. Babski-Reeves and T. Smith-Jackson

275 **Mild body cooling impairs attention via distraction from skin cooling**
S. S. Cheung, D. A. Westwood and M. K. Knox

289 **Visual lobe shape and search performance for targets of different difficulty**
A. H. S. Chan and N. Y. W. Tang

319 **Book review**

Volume 50 Number 3 March 2007

323 **Anthropometric evaluation for primary school furniture design**
J. W. Y. Chung and T. K. S. Wong

335 **Modelling diagnosis in physical therapy: a blackboard framework and models of experts and novices**
G. A. James

352 **Kinematics of heelstrike during walking and carrying: implications for slip resistance testing**
M. A. Holbein-Jenny, M. S. Redfern, D. Gottesman and D. B. Chaffin

364 **Comparison of thermal comfort performance of two different types of road vehicle climate control systems**
S. Quanten, A. Van Brecht and D. Berckmans

379 **A new framework for evaluating potential risk of back disorders due to whole body vibration and repeated mechanical shock**
T. Waters, C. Rauche, A. Genaidy and T. Rashed

396 **The influence of lift frequency, lift duration and work experience on discomfort reporting**
J. Parakkat, G. Yang, A.-M. Chany, D. Burr and W. S. Marras

410 **Changes in trunk muscle activation and lumbar-pelvic position associated with abdominal hollowing and reach during a simulated manual material handling task**
H. L. Butler, C. L. Hubley-Kozey and J. W. Kozey

426 **Notebook input devices put to the age test: the usability of trackpoint and touchpad for middle-aged adults**
C. Armbrüster, C. Sutter and M. Ziefle

446 **Day of the week lost time occupational injury trends in the US by gender and industry and their implications for work scheduling**
G. E. Brogmus

475 **Book reviews**

Volume 50 Number 4 April 2007

481 **Biomechanical, physiological and psychophysical evaluations of clean room boots**
C.-L. Lin, M.-J. J. Wang and C. G. Drury

497 **Fatigue during prolonged intermittent overhead work: reliability of measures and effects of working height**
D. Sood, M. A. Nussbaum and K. Hager

514 **A self-analysis of the NASA-TLX workload measure**
J. M. Noyes and D. P. J. Bruneau

520 **Evaluation of a dynamic arm support for seated and standing tasks: a laboratory study of electromyography and subjective feedback**
D. Odell, A. Barr, R. Goldberg, J. Chung and D. Rempel

536 **Variation in sitting pressure distribution and location of the points of maximum pressure with rotation of the pelvis, gender and body characteristics**
N. C. C. M. Moes

562 **Parallel approaches to composite production: interfaces that behave contrary to expectation**
C. D. Frowd, V. Bruce, H. Ness, L. Bowie, J. Paterson, C. Thomson-Bogner, A. McIntyre and P. J. B. Hancock

586 **The influence of heated or cooled seats on the acceptable ambient temperature range**
Y. F. Zhang, D. P. Wyon, L. Fang and A. K. Melikov

601 **Convex rear view mirrors compromise distance and time-to-contact judgements**
H. Hecht and J. Brauer

615 **Lighting level and productivity: a field study in the electronics industry**
H. T. Juslén, M. C. H. M. Wouters and A. D. Tenner

625 **Book reviews**

Volume 50 Numbers 5 May 2007

631 **Validity of functional stability limits as a measure of balance in adults aged 23–73 years**
M. A. Holbein-Jenny, K. McDermott, C. Shaw and J. Demchak

647 **Accuracy and feasibility of using an electrogoniometer for measuring simple thumb movements**
P. Jonsson, P. W. Johnson and M. Hagberg

660 **Multi-digit maximum voluntary torque production on a circular object**
J. K. Shim, J. Huang, A. W. Hooke, M. L. Latsh and V. M. Zatsiorsky

676 **Assessment of physical demands and comparison of multiple exposure definitions in a repetitive sawmill job: board edger operator**
T. Jones and S. Kumar

694 **Knobology in use: an experimental evaluation of ergonomics recommendations**
K. I. Øvergård, K. I. Fostervold, H. V. Bjelland and T. Hoff

706 **A survey of high school students with ubiquitous access to tablet PCs**
C. M. Sommerich, R. Ward, K. Sikdar, J. Payne and L. Herman

728 **Evaluation of the effect of backpack load and position during standing and walking using biomechanical, physiological and subjective measures**
C. Devroey, I. Jonkers, A. de Becker, G. Lenaerts and A. Spaepen

743 **The effect of reducing the number of EMG channel inputs on loading and stiffness estimates from an EMG-driven model of the spine**
S. H. M. Brown and J. R. Potvin

752 **Maximal manual stretcher carriage: performance and recovery of male and female ambulance workers**
D. Leyk, U. Rohde, O. Erley, W. Gorges, D. Essfeld, T. C. Erren and C. Piekarski

763 **Self-initiated and respondent actions in a simulated control task**
Y. Bitan and J. Meyer

789 **Book reviews**

Volume 50 Number 6 June 2007

795 **Feedback quality and environmentally friendly use of domestic central heating systems**
J. Sauer, C. Schmeink and D. G. Wastell

814 **Self-reported musculoskeletal problems amongst professional truck drivers**
M. J. M. Robb and N. J. Mansfield

828 **Driver sensitivity to brake pulse duration and magnitude**
J. D. Lee, D. V. McGehee, T. L. Brown and J. Nakamoto

837 **Effect of joystick stiffness, movement speed and movement direction on joystick and upper limb kinematics when using hydraulic-actuation joystick controls in heavy vehicles**
M. Oliver, M. Tingley, R. Rogers, J. Rickards and E. Biden

859 **Effects of user experience, working posture and joint hardness on powered nutrunner torque reactions**
J.-H. Lin, R. W. McGorry, C.-C. Chang and P. G. Dempsey

877 **Technical note – The effect of camera viewing angle on posture assessment repeatability and cumulative spinal loading**
C. A. Sutherland, W. J. Albert, A. T. Wrigley and J. P. Callaghan

890 **Susceptibility to seasickness**
J. E. Bos, D. Damala, C. Lewis, A. Ganguly and O. Turan

902 **Automation and decision support in interactive consumer products**
J. Sauer and B. Rüttinger

920 **An epidemiological appraisal instrument – a tool for evaluation of epidemiological studies**
A. M. Genaidy, G. K. LeMasters, J. Lockey, P. Succop, J. Deddens, T. Sobeih and K. Dunning

961 **Book reviews**

Volume 50 Number 7 July 2007

967 **Influences of denucleation on contact force of facet joints under whole body vibration**
L.-X. Guo, M. Zhang and E.-C. Teo

979 **Learning new visuo-motor gains at early and late working age**
H. Heuer and M. Hegele

1004 **Predictors of perceived effort in the shoulder during load transfer tasks**
C. R. Dickerson, B. J. Martin and D. B. Chaffin

1017 **Nursing staff's perception of changes in patient transfer habits after a course – a phenomenological-hermeneutic study**
K. Kindblom-Rising, R. Wahlström and S.-L. Ekman

1026 **Peripheral arterial tone as an on-line measure of load in a simulated flight task**
C. Iani, D. Gopher, A. J. Grunwald and P. Lavie

1036 **Text–background polarity affects performance irrespective of ambient illumination and colour contrast**
A. Buchner and N. Baumgartner

1064 **Situational awareness ability and cognitive skills training in a complex real-world task**
K. S. O'Brien and D. O'Hare

1092 **Effectiveness of a participatory ergonomics intervention in improving communication and psychosocial exposures**
A. C. Laing, D. C. Cole, N. Theberge, R. P. Wells, M. S. Kerr and M. B. Frazer

1110 **Muscle fatigue during intermittent isokinetic shoulder abduction: Age effects and utility of electromyographic measures**
Yassierli and M. A. Nussbaum

1127 **Effects of varying the threshold of alarm systems and workload on human performance**
E. A. Bustamante, J. P. Bliss and B. L. Anderson

1148 **Book reviews**

Volume 50 Number 8 August 2007

Special Issue: Driver Safety

1151 **Editorial**
N. A. Stanton

1159 **Driving violations observed: An Australian study**
A. I. Glendon

1183 **Driver headway: How close is too close on a motorway?**
M. Brackstone and M. McDonald

1196 **Car driver speed choice in Scotland**
S. G. Stradling

1209 **Changing drivers' minds: the evaluation of an advanced driver coaching system**
N. A. Stanton, G. H. Walker, M. S. Young, T. Kazi and P. M. Salmon

1235 **Visual attention and the transition from novice to advanced driver**
G. Underwood

1250 **Anticipating the content and circumstances of skill transfer: Unrealistic expectations of driver training and graduated licensing?**
J. A. Groeger and A. P. Banks

1264 **The influence of distraction and driving context on driver response to imperfect collision warning systems**
M. N. Lees and J. D. Lee

1287 **A framework for the design of ambulance sirens**
K. Catchpole and D. McKeown

1302 **Vehicle automation: A remedy for driver stress?**
G. Funke, G. Matthews, J. S. Warm and A. K. Emo

1324 **What's skill got to do with it? Vehicle automation and driver mental workload**
M. S. Young and N. A. Stanton

1340 **Examining cognitive interference and adaptive safety behaviours in tactical vehicle control**
W. J. Horrey and D. J. Simons

1351 **Situation awareness and driving performance in a simulated navigation task**
R. Ma and D. B. Kaber

Volume 50 Number 9 September 2007

1365 **Methodological considerations for the calculation of cumulative compression exposure of the lumbar spine: A sensitivity analysis on joint model and time standardization approaches**
S. L. Fischer, W. J. Albert, A. J. McClellan and J. P. Callaghan

1377 **The effects of ergonomic interventions on low back moments are attenuated by changes in lifting behaviour**
G. S. Faber, I. Kingma and J. H. van Dieën

1392 **Power grip strength as a function of tool handle orientation and location**
R. W. McGorry and J.-H. Lin

1404 **Evaluation of handle design characteristics in a maximum screwdriving torque task**
Y.-K. Kong, B. D. Lowe, S.-J. Lee and E. F. Krieg

1419 **Effect of horizontal position of the computer keyboard on upper extremity posture and muscular load during computer work**
K. Kotani, L. H. Barrero, D. L. Lee and J. T. Dennerlein

1433 **Naturalistic decision-making in expert badminton players**
A. C. Macquet and P. Fleurance

1451 **Assessment of patient safety research from an organizational ergonomics and structural perspective**
A. L. Schutz, M. A. Counte and S. Meurer

1485 **Internal locus of control and choice in health service shift workers**
L. Smith, H. J. Jeppesen and H. Boggild

1503 **Technical note – Development of a mental workload index: A systems approach**
A. Pretorius and P. J. Cilliers

1516 **Book reviews**

Volume 50 Number 10 October 2007

Special Issue: Ergonomics in Schools

1523 **Editorial**
S. Legg

1530 **The ergonomics of learning: educational design and learning performance**
T. J. Smith

1547 **Ergonomics, education and children: a personal view**
A. Woodcock

1561 **Are the desks and chairs at school appropriate?**
L. Saarni, C.-H. Nygård, A. Kaukiainen and A. Rimpelä

1571 **Classroom postures of 8–12 year old children**
E. Geldhof, D. De Clercq, I. De Bourdeaudhuij and G. Cardon

1582 **An investigation of children's posture and discomfort during computer use**
R. Breen, S. Pyper, Y. Rusk and S. Dockrell

1593 **Seated buttock contours: a pilot study of Australian senior high-school students**
N. Tuttle, R. Barrett and E. Gass

1603 **Preferred seat orientation of senior high-school students**
N. Tuttle, R. Barrett and E. Gass

1612 **Lack of conformity between Indian classroom furniture and student dimensions: proposed future seat/table dimensions**
C. S. Savanur, C. R. Altekar and A. De

1626 **Definition of sizes for the design of school furniture for Bogotá schools based on anthropometric criteria**
G. García-Acosta and K. Lange-Morales

1643 **Sitting and standing postures are corrected by adjustable furniture with lowered muscle tension in high-school students**
R. Koskelo, K. Vuorikari and O. Hänninen

1657 **School children's use of computers and teachers' education in computer ergonomics**
S. Dockrell, E. Fallon, M. Kelly, B. Masterson and N. Shields

1668 **Measurement of the temporal patterns of school bag carriage using activity monitoring and structured interview**
H. W. Mackie and S. J. Legg

1680 **Recurrent non-specific low-back pain in adolescents: the role of exercise**
M. A. Jones, G. Stratton, T. Reilly and V. B. Unnithan

1689 **Metabolic rate and clothing insulation data of children and adolescents during various school activities**
G. Havenith

1702 **Road-safety education: spatial decentering and subjective or objective picture processing**
F. Guercin

1713 **Corrigendum**

Volume 50 Numbers 11 November 2007

Special Issue: Feschrift in Memory of Antonio Grieco

1715 **Editorial: In memory of Antonio Grieco (1931–2003)**
E. Occhipinti, S. Bagnara and W. Karwowski

1717 **Biological consequences of stress: conflicting findings on the association between job strain and blood pressure**
C. Fornari, M. Ferrario, C. Menni, R. Sega, R. Facchetti and G. C. Cesana

1727 **Updating reference values and predictive models of the OCRA method in the risk assessment of work-related musculoskeletal disorders of the upper limbs**
E. Occhipinti and D. Colombini

1740 **Repetitive task indicator as a tool for assessment of upper limb musculoskeletal load induced by repetitive task**
D. Roman-Liu

1761 **New procedure for assessing sequential manual lifting jobs using the revised NIOSH lifting equation**
T. R. Waters, M.-L. Lu and E. Occhipinti

1771 **The work compatibility improvement framework: preliminary findings of a case study for defining and measuring the human-at-work system**
A. Genaidy, W. Karwowski and A. A-Rehim

1809 **International standards on working postures and movements ISO 11226 and EN 1005-4**
N. J. Delleman and J. Dul

1820 **Incidence of self-reported reduced productivity owing to musculoskeletal symptoms: association with workplace and individual factors among computer users**
M. Hagberg, R. Vilhemsson, E. Wigaeus Tornqvist and A. Toomingas

1835 **Biomechanical evaluation of nursing tasks in a hospital setting**
R. Jang, W. Karwowski, P. M. Quesada, D. Rodrick, B. Sherehiy, S. N. Cronin and J. K. Layer

1856 **The area of glenoid asymmetry identified as important contributor to shoulder strength during pushing and pulling in the coronal plane**
K. Gielo-Perczak and S. Matz

1871 **Ergonomics diagnosis components in rehabilitation: statistical evaluation of an assessment instrument**
K. Landau, H. Meschke, R. Brauchler, J. Kiesel and J. Knoerzer

1897 **What do we know about ageing at work? Evidence-based fitness for duty and health in fire fighters**
J. K. Sluiter and M. H. W. Frings-Dresen

1914 **Ageing, working hours and work ability**
G. Costa and S. Sartori

1931 **The differential role of mental rumination among industrial and knowledge workers**
G. Pravettoni, M. Cropley, S. N. Leotta and S. Bagnara

1941 **Quo vadis, neuroergonomics?**
M. Fafrowicz and T. Marek

1950 **Biography: Antonio Grieco (1931–2003)**

Volume 50 Number 12 December 2007

1953 **Editorial**
R. Haslam

1957 **Ergonomics issues in future systems**
M. A. Sinclair

1987 **An evaluation of US systems for facial composite production**
C. D. Frowd, D. McQuiston-Surrett, S. Anandaciva, C. G. Ireland and P. J. B. Hancock

1999 **Sensumotor transformation of input devices and the impact on practice and task difficulty**
C. Sutter

2017 **Emotionally charged earcons reveal affective congruency effects**
P. M. C. Lemmens, A. de Haan, G. P. van Galen and R. G. J. Meulenbroek

2026 **The effects of sensory impairments on product experience and personal well-being**
H. N. J. Schifferstein and P. M. A. Desmet

2049 **Stress-induced muscle effort as a cause of repetitive strain injury?**
S. Rietveld, I. van Beest and J. H. Kamphuis

2059 **Perception and biomechanics data in a manual handling task: a comparative study**
I. Nastasia, M. Lortie, A. Delisle and M. Gagnon

2082 **Estimation of compressive forces on lumbar spine from categorical posture data**
S. Tak, L. Punnett, V. Paquet, S. Woskie and B. Buchholz

2095 **The effects of multifocal refractive lenses on occipital extension and forward head posture during a visual task**
M. Becker, J. Rothman, A. J. Nelson, R. Freedland, D. Garcia, L. Feit, J. Barth and R. Sabini

2104 **A biomechanical analysis of anterior load carriage**
A. M. Anderson, K. A. Meador, L. R. McClure, D. Makrozahopoulos, D. J. Brooks and G. A. Mirka

2118 **Two posture analysis approaches and their application in a modified Rapid Upper Limb Assessment evaluation**
S. Bao, N. Howard, P. Spielholz and B. Silverstein

2137 **Distribution and determinants of maximal physical work capacity of Korean male metal workers**
D. Kang, J.-H. Woo and Y.-C. Shin

2148 **Changes in spinal curvature and proprioception of schoolboys carrying different weights of backpack**
D. H. K. Chow, K. T. Y. Leung and A. D. Holmes

2157 **The effects of prior warning and lifting-induced fatigue on trunk muscle and postural responses to sudden loading during manual handling**
G. A. Mawston, P. J. McNair, and M. G. Boocock

2171 **The influence of boot stiffness on gait kinematics and kinetics during stance phase**
I. Cikajlo and Z. Matjačić